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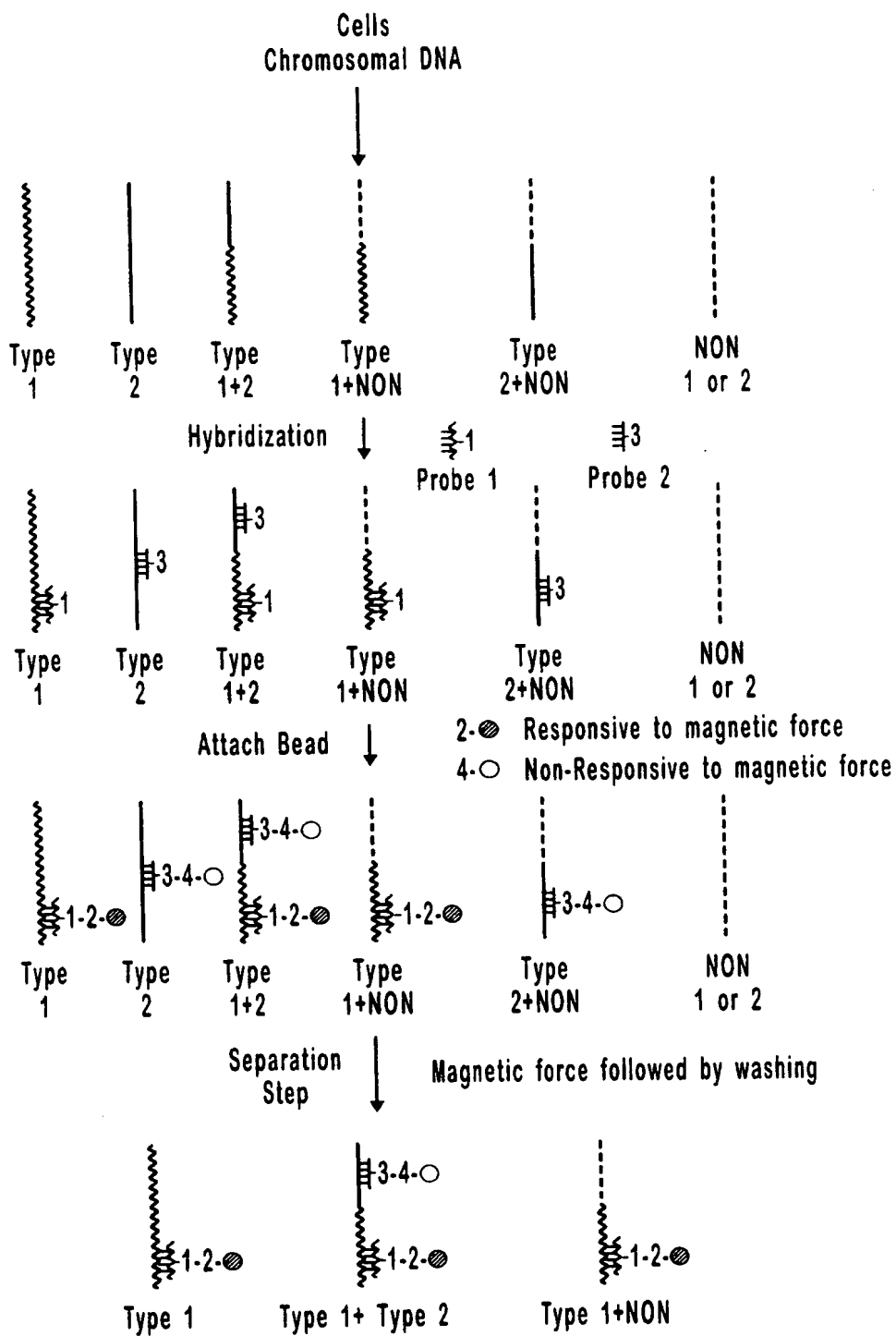


Fig. 1A

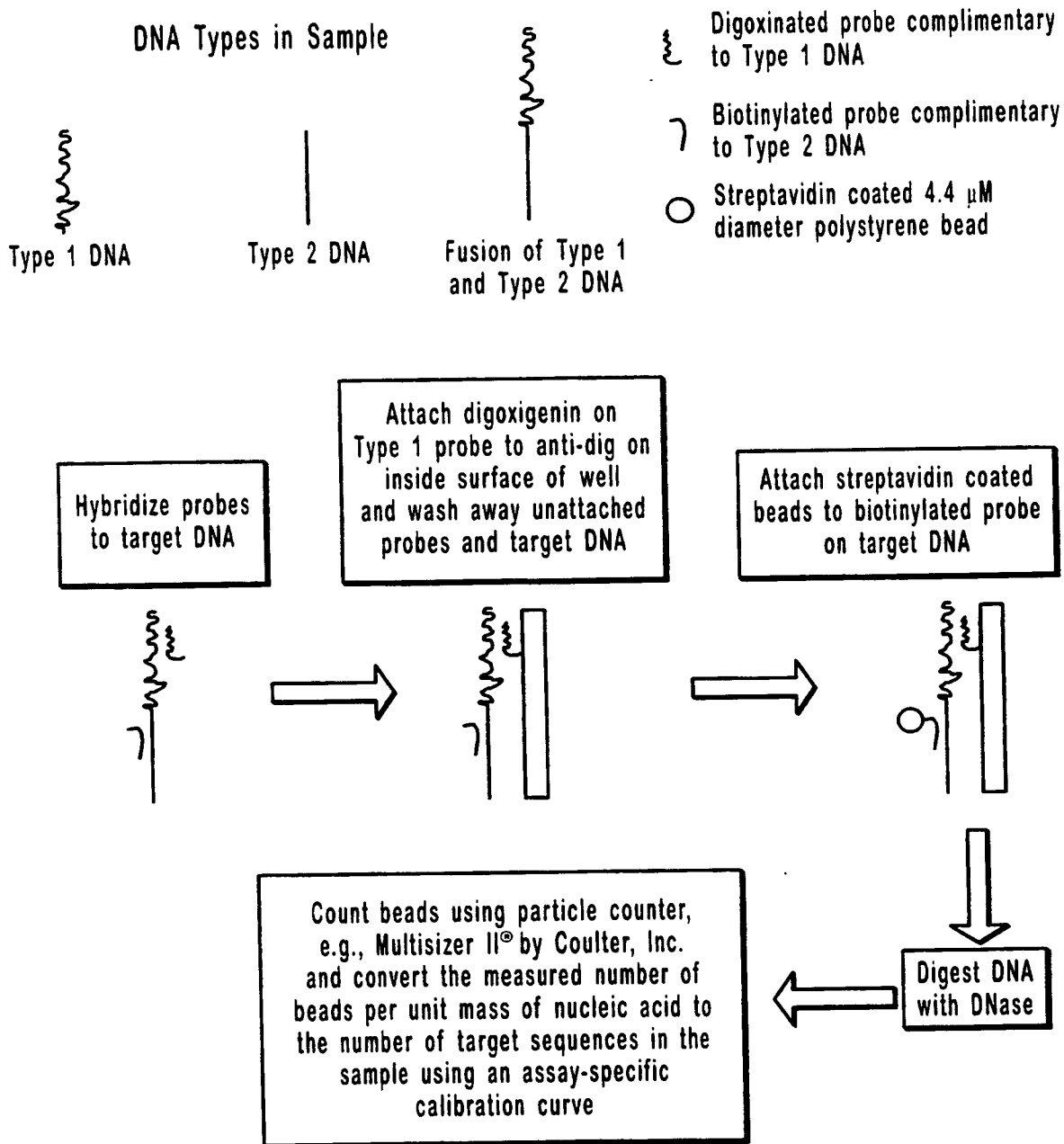


Fig. 1B

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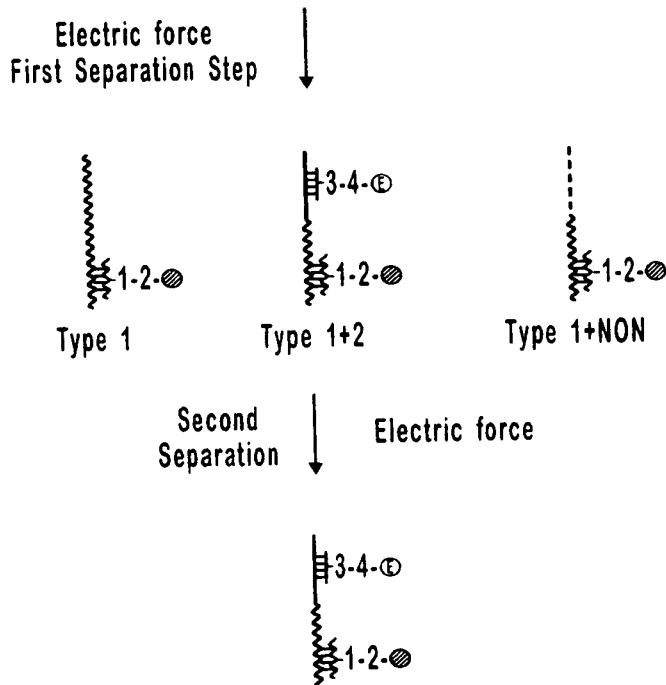


Fig. 2A

When O^5 is coated w/ dual complexing agents 4 & 5

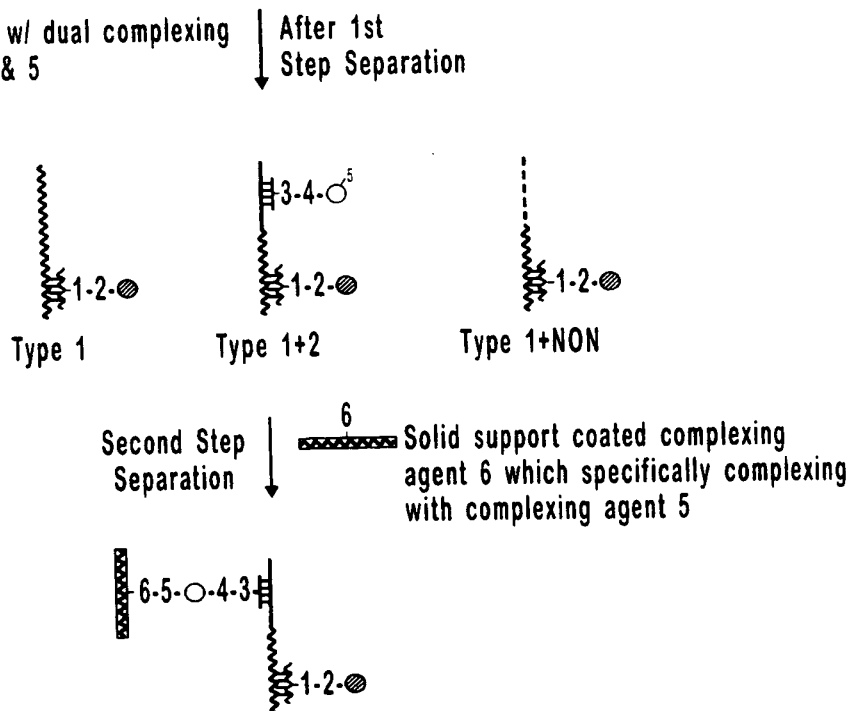


Fig. 2B

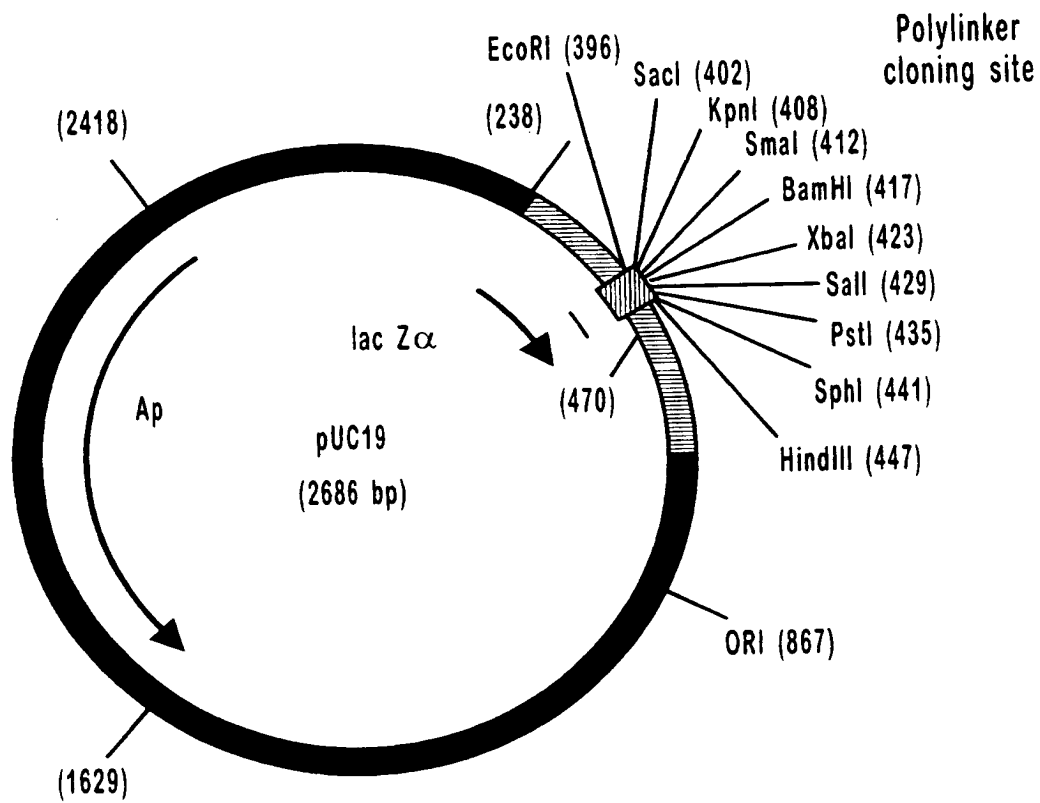
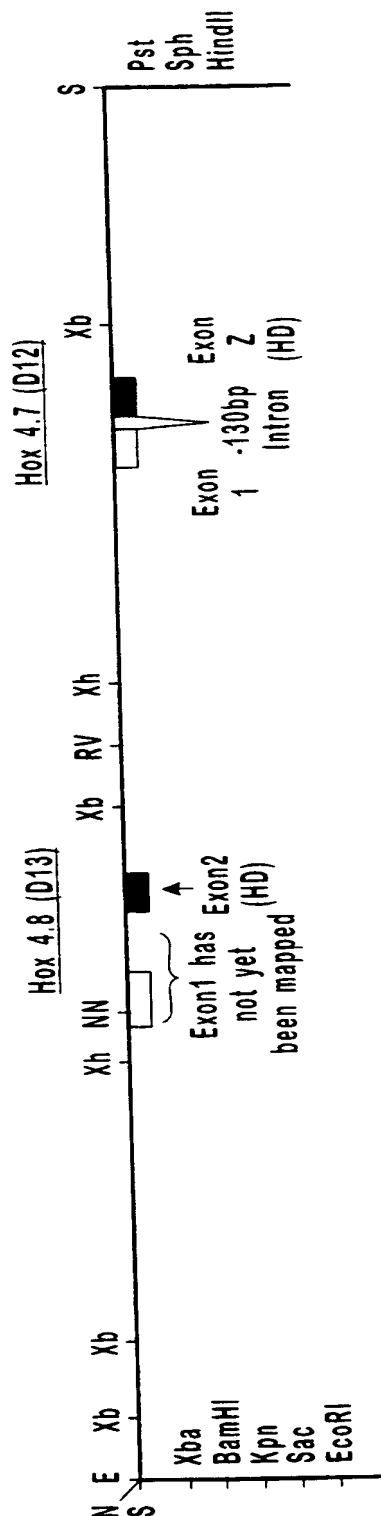


Fig. 3A



BS = Bst1107I (XcaI)

C = Cla I

E = EcoRI

M = MluI

N = Not I

RV = EcoRV

S = Sal I

Sac = Sac I

Xb = Xba I

Xh = Xho I

H = Hpa I

All genomic DNA from λ - DASH II library from mouse CC1.2 DNA. (CC1.2 is mostly 129 mouse) Cloning into PUC19 cut at Sal

Fig. 3B

ACGTTGAGCGGGGGTATAAGAGGGGTGTCGTAAGTAGGAAGTGGGTTGGG-5' (4)

SUBSTITUTE SHEET (RULE 26)

[illegible]

Fig. 4B

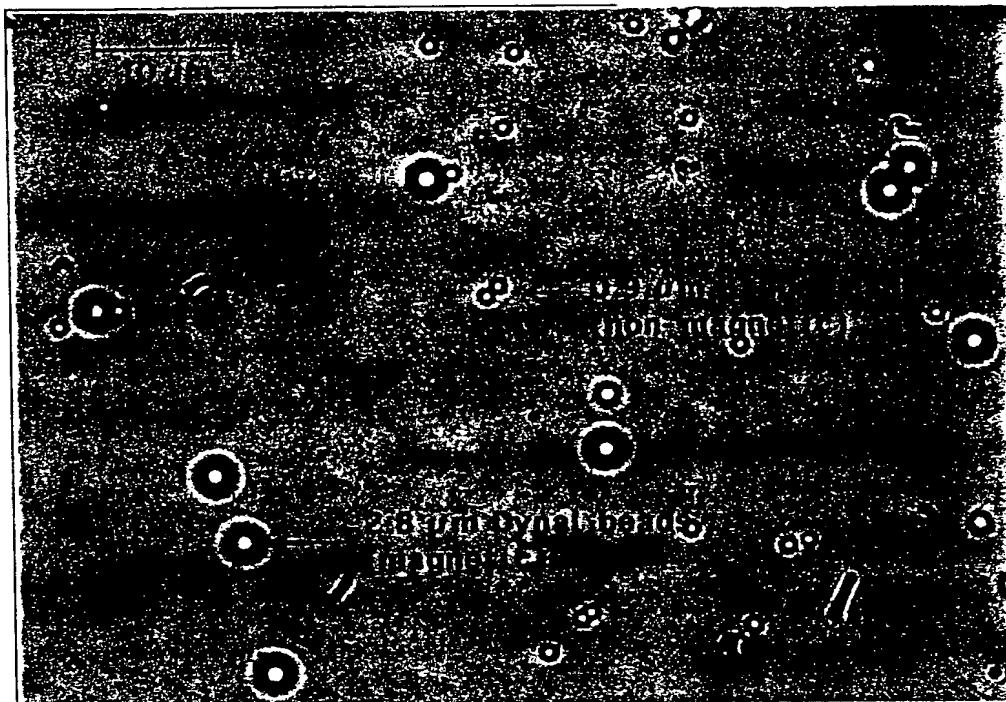


Fig. 5

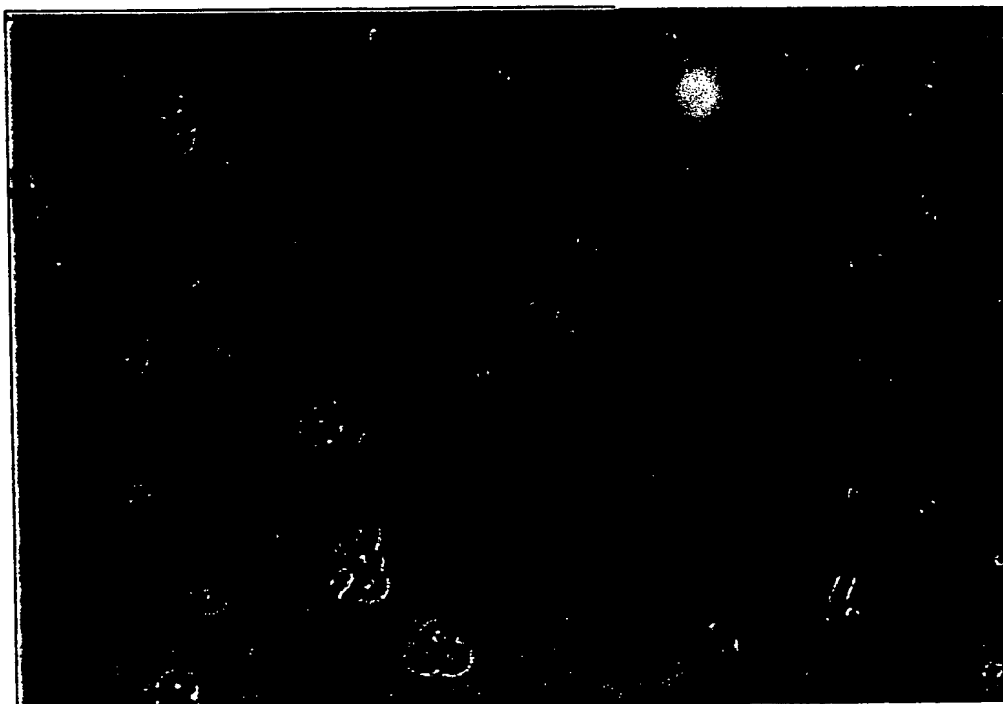


Fig. 6

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Fig. 7

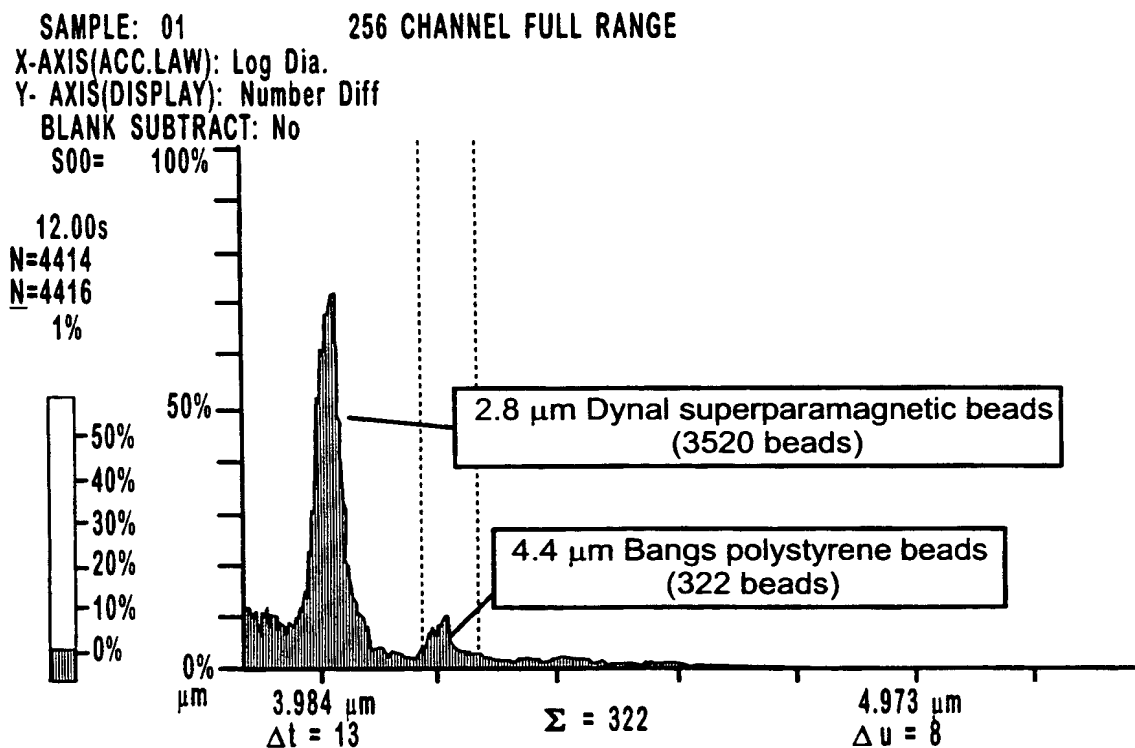


Fig. 8

SUBSTITUTE SHEET (RULE 26)

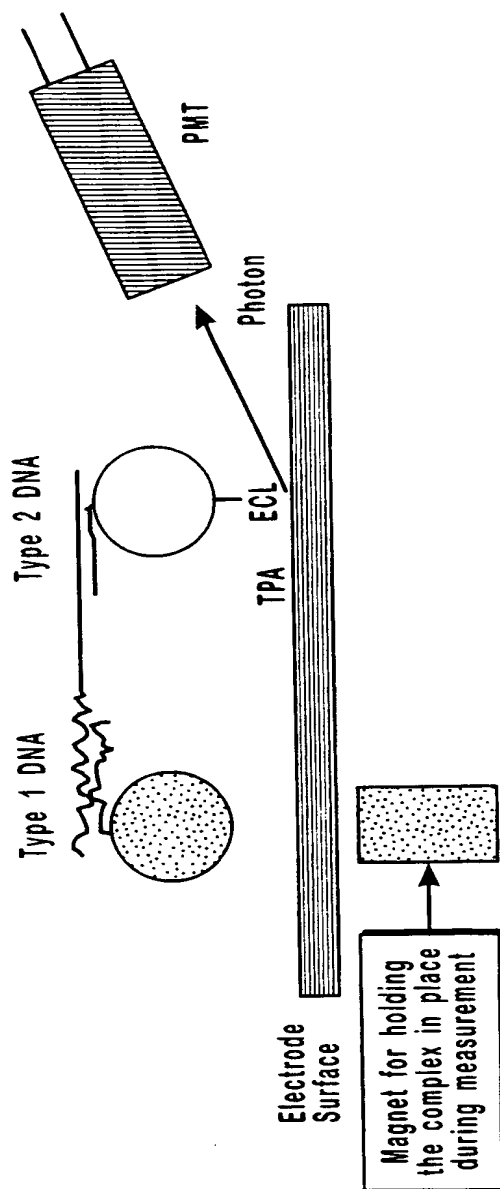


Fig. 9

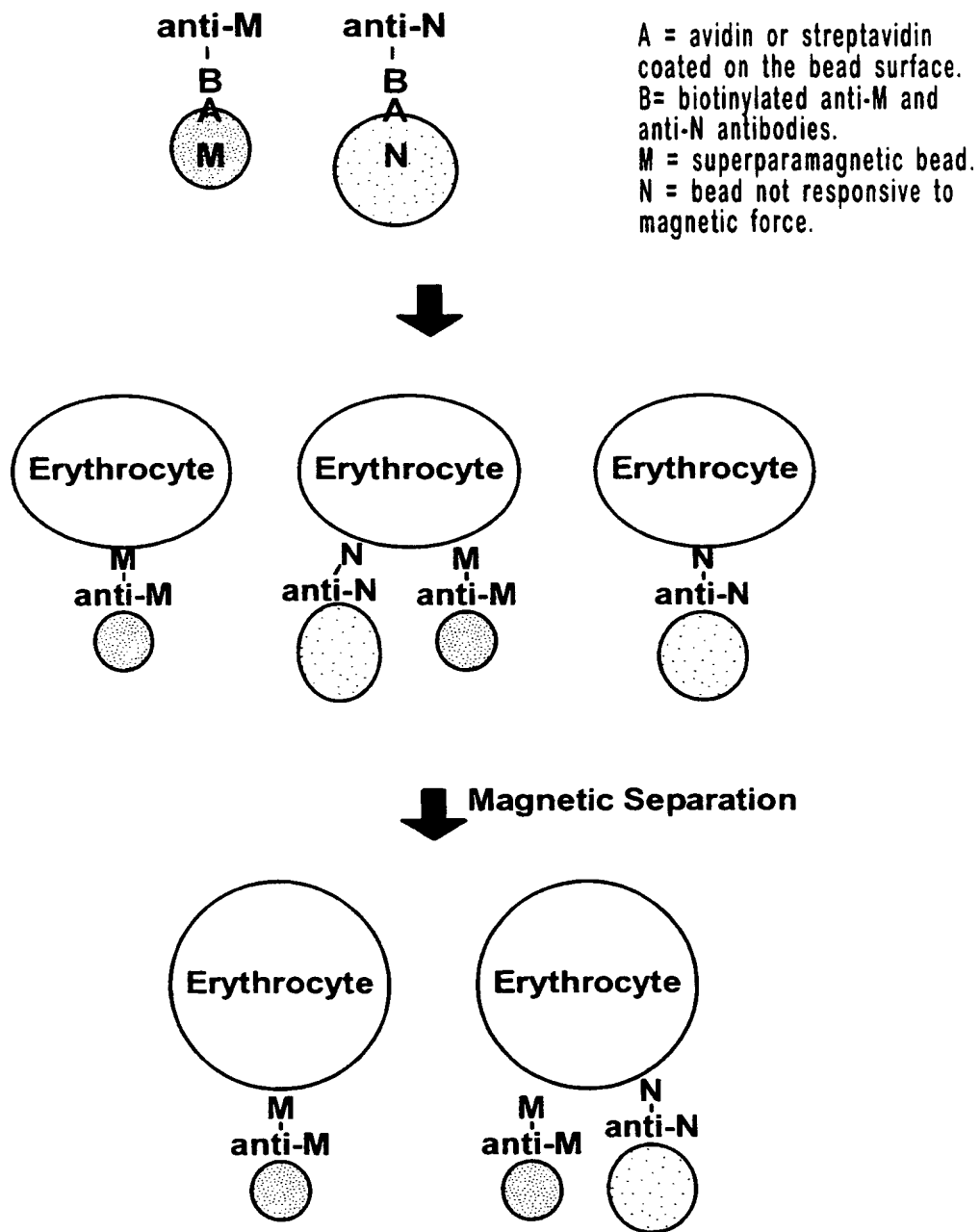


Fig. 10

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The diagram illustrates the process of labeling DNA probes for detection. It begins with a wavy line representing the **Target DNA** and three probes labeled 1-2, 1-3, and 1-4. An arrow labeled **hybridization** points to the next stage where the probes are hybridized to the target DNA. To the right, under the heading **microparticles w/ complexing agents**, are three circles labeled 5, 6, and 7. An arrow labeled **Attach beads** points down to the next stage where the probes are attached to the beads, forming complexes like 1-2-5, 1-3-6, and 1-4-7. An arrow labeled **Complex on solid support** points left to a vertical hatched line representing the **Solid Support**. On the left, under the heading **contiguous target nucleic acid molecule**, the target DNA is shown attached to the solid support with the labeled probes. Below this, under the heading **If separate molecules**, the target DNA is shown as separate molecules. An arrow labeled **Wash to remove unattached beads and free beads by protease treatment** points right to a box containing the text: **Count number beads of each size and relate to target segment by calibration curve**.

Fig. 11

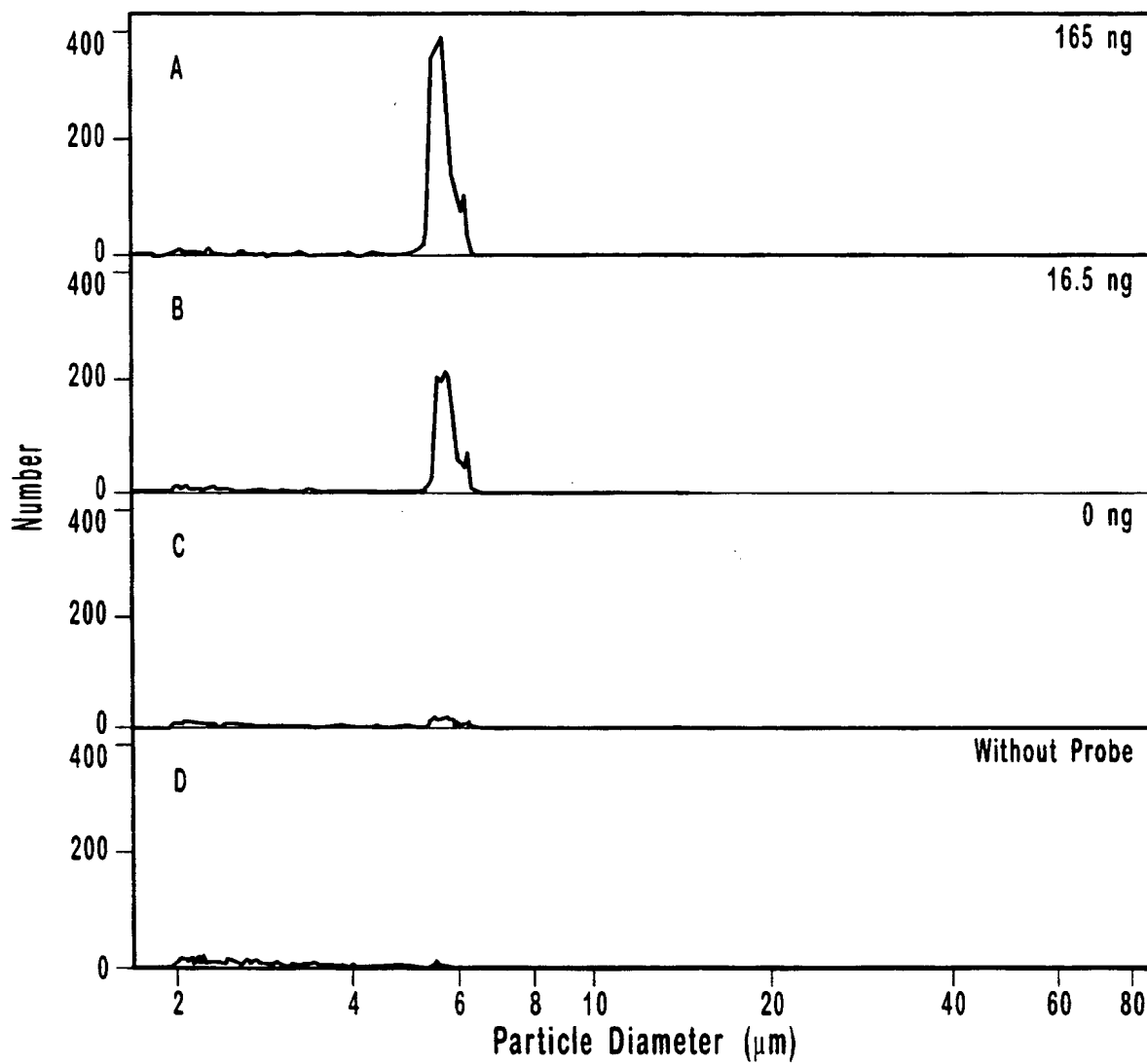


Fig. 12

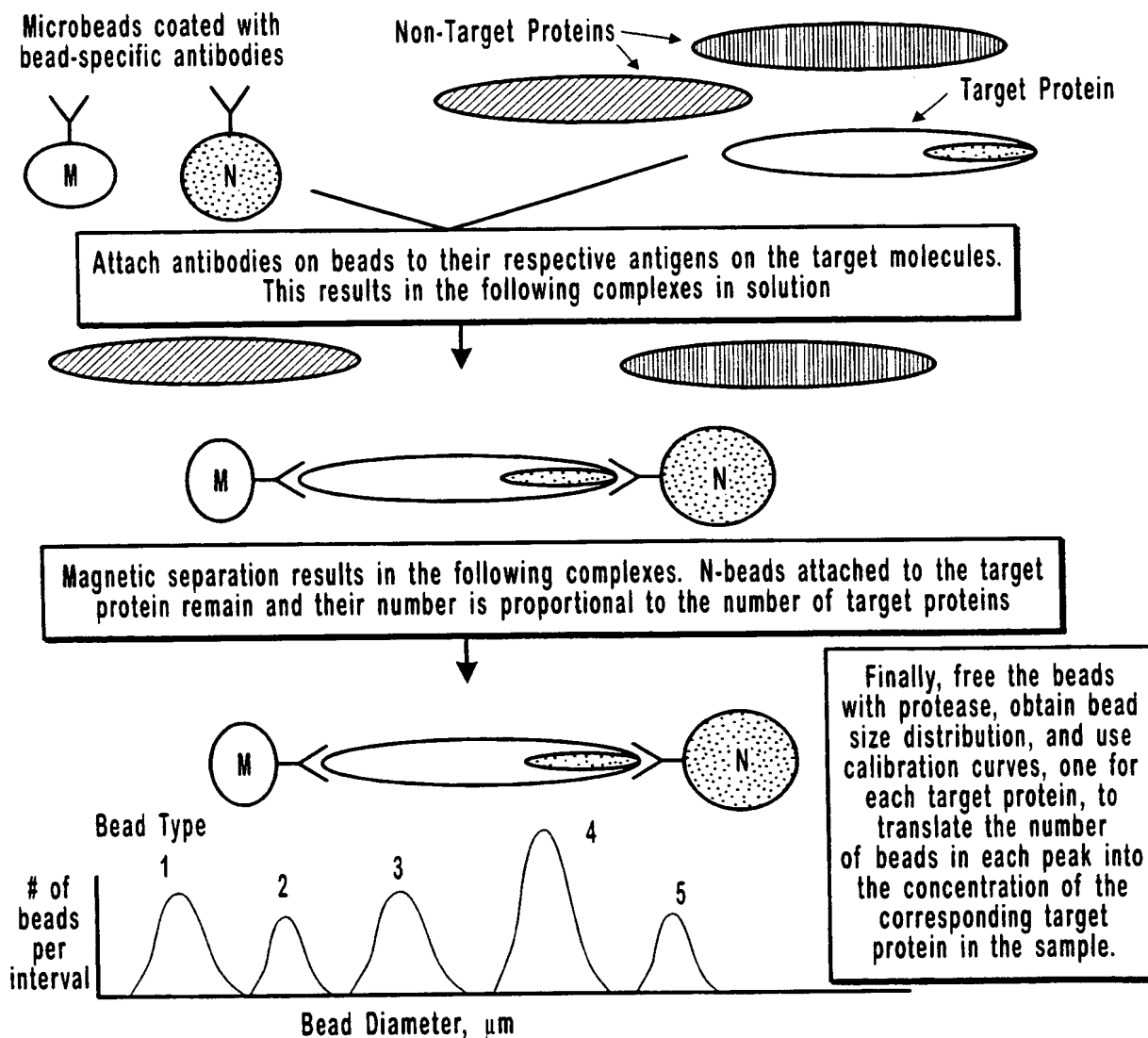


Fig. 13

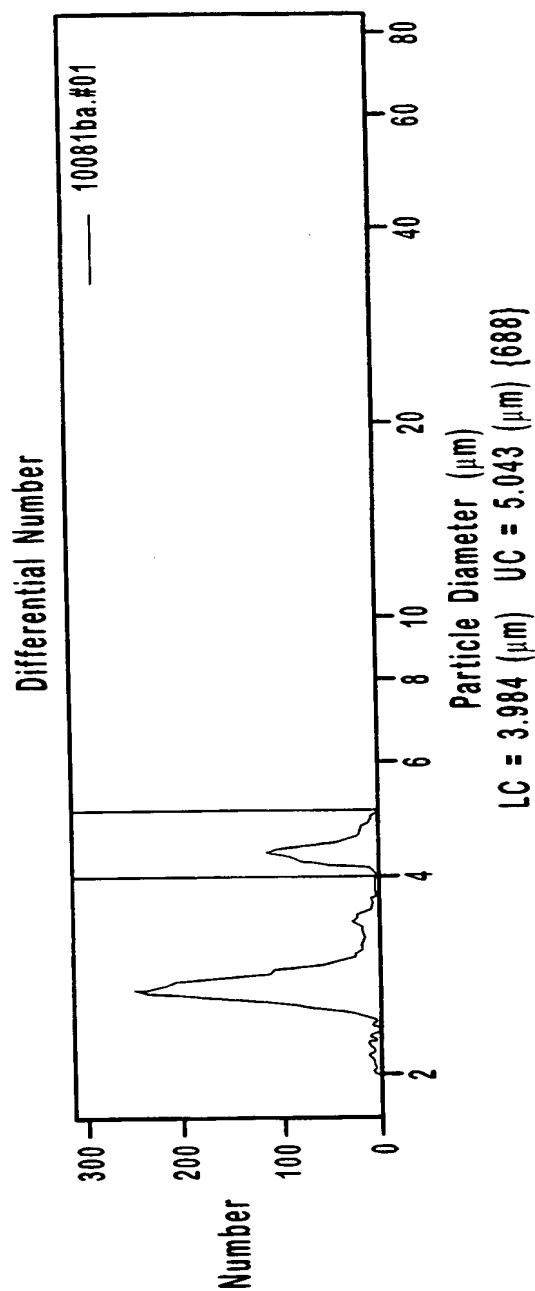


Fig. 14

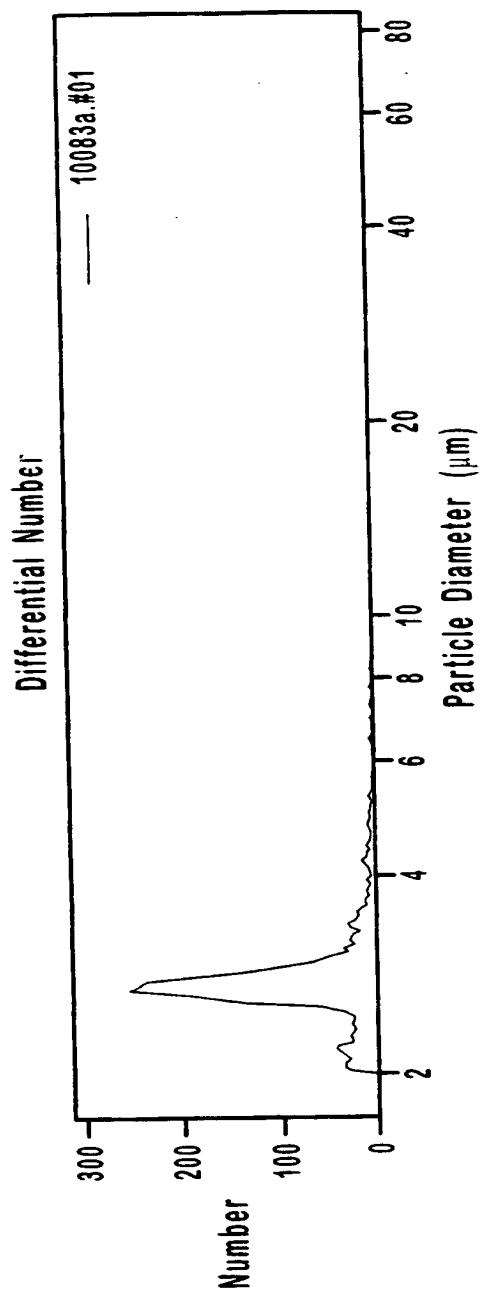


Fig. 15